

## **Energy Management System – Hilton Hawaiian Beach Resort & Spa**

Hilton Hawaiian Village Beach Resort and Spa has a customized Energy Management System that allows remote monitoring and control of all systems, including chillers, cooling towers, pumps, boilers, exhaust fans, air handlers and emergency generators, as well as automated air conditioning ON/OFF times in hotel function spaces. This flexible, Windows-based software installed by Hawaiian Instrumentation and Controls Inc. features full-color animated graphics and is completely scalable; a necessity in a 3,000 room resort with more than 100,000 square feet of function space. Annual savings are estimated at up to \$400,000, and recent system upgrades had a three-year payback cycle. Additional energy savings are captured through:

- ◆ Replacing older chillers with larger high efficiency chillers;
- ◆ Retrofitting lighting property wide;
- ◆ Installing motion sensors for lighting in offices, kitchens, mechanical rooms, and back of house areas;
- ◆ Installing seasonal automatic timers for night lighting on hotel grounds, and;
- ◆ Awareness programs that encourage employees to turn off lights and air conditioning when not in use, and to close doors to maintain proper air balance/air conditioning boundaries.

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